DECLARATION AND POWER OF ATTORNEY FOR PATENT APPLICATION

As a below named inventor, I hereby declare that:

My residence/post office address and citizenship are as stated below next to my name;

I believe I am the original, first and sole inventor (if only one name is listed below) or an original, first and joint inventor (if plural names are listed below) of the subject matter which is claimed and for which a patent is sought on the invention entitled:

Data Storage Method For Use In A Magnetoresistive Solid-State Storage Device

the specification of which is attached hereto unless the following box is checked:

as US Application No. or PCT International Application (X) was filed on Jul 25, 2001 Number 09/915195 and was amended on

I hereby state that I have reviewed and understood the contents of the above-identified specification, including the claims, as amended by any amendment(s) referred to above. I acknowledge the duty to disclose all information which is material to patentability as defined in 37 CFR 1.56.

Foreign Application(s) and/or Claim of Foreign Priority

I hereby claim foreign priority benefits under Title 35, United States Code Section 119 of any foreign application(s) for patent or inventor(s) certificate listed below and have also identified below any foreign application for patent or inventor(s) certificate having a filing date before that of the application on which priority is claimed:

COUNTRY	APPLICATION NUMBER	DATE FILED	PRIORITY CLAIMED UNDER 35 U.S.C. 119
			YES: NO:
			YES: NO:

Provisional Application

I hereby claim the benefit under Title 35, United States Code Section 119(e) of any United States provisional application(s) listed below:

APPLICATION, NUMBER	FILING DATE
,	

U. S. Priority Claim

I hereby claim the benefit under Title 35, United States Code, Section 120 of any United States application(s) listed below and, insofar as the subject matter of each of the claims of this application is not disclosed in the prior United States application in the manner provided by the first paragraph of Title 35, United States Code Section 112, I acknowledge the duty to disclose material Information as defined in Title 37, Code of Federal Regulations, Section 1.56(a) which occurred between the filing date of the prior application and the national or PCT international filing date of this application:

APPLICATION NUMBER	FILING DATE	STATUS (patented/pending/abandoned)

POWER OF ATTORNEY:

As a named inventor, I hereby appoint the following attorney(s) and/or agent(s) to prosecute this application and transact all business in the Patent and Trademark Office connected therewith:

Customer Number

Send Correspondence to: **HEWLETT-PACKARD COMPANY** Intellectual Property Administration P.O. Box 272400 Fort Collins, Colorado 80527-2400

I hereby declare that all statements made herein of my own knowledge are true and that all statements made on information and belief are believed to be true; and further that these statements were made with the knowledge that willful false statements and the like so made are punishable by fine or imprisonment, or both, under Section 1001 of Title 18 of the United States Code and that such willful false statements may jeopardize the validity of the application or any patent issued thereon.

Full Name of Inventor: <u>James A Davis</u>	Citizenship: @8 US	JAD 27/9/0
Residence: 2214 Grainmill Court Richmone	d VA 23233	
Post Office Address: _\same		
tournal V. Nhuna	22/9/1	

Rev 06/01 (DecPwr)

(Use Page Two For Additional Inventor(s) Signature(s))

DECLARATION AND POW OF ATTORNEY FOR PATENT APPLICATION (continued)



Full Name of # 2 joint inventor:	Jonathan Jedwab		Citizenship: GB
Residence:	Flat 17 Parklands 27 Tyndalls Park Road Bristol, England 858 IPQ		
Post Office Address:	Same as residence		
Inventor's Signature		Date	
Full Name of # 3 joint inventor:	Kenneth Graham Paterson		Citizenship: GB
Residence:	12 Cotham Side Cotham, Bristo	BS6 5TP	Great Britain
Post Office Address:	Same as residence		
Inventor's Signature		Date	
Full Name of # 4 joint inventor	Gadlel Seroussi		Citizenship: US
Residence:	1123 Milky Way Cupertino CA	95014	
Post Office Address:	Same as residence		
Inventor's Signature		Date	
Full Name of # 5 joint inventor			Citizenship: US
Residence:	11776 W Rader Dr Boise, ID 83713		
Post Office Address:	Same as residence		
inventor's Signature		Date	·
Full Name of # 6 joint inventor	r		Citizenship:
Residence:			
Post Office Address:			
Inventor's Signature		Date	
Full Name of # 7 joint inventor	r		Citizenship:
Residence:			
Post Office Address:			
Inventor's Signature		Date	
Full Name of # 8 joint invento	r:		Citizenship:
Residence:			
Post Office Address:			
Inventor's Signature		Date	

DECLARATION AND POWER OF ATTORNEY FOR PATENT APPLICATION

JAN 0 3 2002

ATTORNEY DOCKET NO. 30011232-1

As a below named inventor, I hereby declare that

My residence/post office address and citizenship are as stated below next to my name;

,			
	ural names are listed below) of		isted below) or an original, first which is claimed and for which
Data Storage Method F	For Use In A Magnetoresistive	Solid-State Storage	Device
the specification of wh	ich is attached hereto unless t	he following box is	checked:
• • • • • • • • • • • • • • • • • • • •	ul 25, 2001 as US Appl 5195 and was amend		• •
including the claims, a		t(s) referred to abo	e above-identified specification, ve. I acknowledge the duty to CFR 1.56.
Foreign Application(s) and/or	Claim of Foreign Priority		
inventor(s) certificate listed		any foreign application fo	any foreign application(s) for patent or patent or patent or inventor(s) certificate having
COUNTRY	APPLICATION NUMBER	DATE FILED	PRIORITY CLAIMED UNDER 35 U.S.C. 119
			YES: NO:
			YES: NO:
Provisional Application			
I hereby claim the benefit up below:	nder Title 35, United States Code Sec	tion 119(e) of any Unite	ed States provisional application(s) listed
	APPLICATION NUMBER	FILING DATE	
			·······

U. S. Priority Claim

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APPLICATION NUMBER	FILING DATE	STATUS (patented/pending/abandoned)

POWER OF ATTORNEY:

As a named inventor, I hereby appoint the following attorney(s) and/or agent(s) to prosecute this application and transact all business in the Patent and Trademark Office connected therewith:

> Place Customer 022879 **Customer Number** Number Bar Code Label here

Send Correspondence to: **HEWLETT-PACKARD COMPANY** Intellectual Property Administration P.O. Box 272400 Fort Collins, Colorado 80527-2400 Direct Telephone Calls To:

Richard P Berg (Reg no 28,145)

(323) 934 2300

I hereby declare that all statements made herein of my own knowledge are true and that all statements made on information and belief are believed to be true; and further that these statements were made with the knowledge that willful false statements and the like so made are punishable by fine or imprisonment, or both, under Section 1001 of Title 18 of the United States Code and that such willful false statements may jeopardize the validity of the application or any patent issued thereon.

Full Name of Inventor:	James A Davis	Citizenship: GB
Residence:	2214 Grainmill Court Richmond VA 232	233
Post Office Address:	same	
Inventor's Signature		Date :

DECLARATION AND POW OF ATTORNEY FOR PATENT APPLICATION (continued)



Full Name of # 2 joint inventor:	Jonathan Jedwab		Citizenship: GB
Residence:	Flat 17 Parklands 27 Tyndalls Pa	rk Road Br	istol, England B58 IPQ
Post Office Address:	Same as residence		\$ **
5 Phy The American	nithan Sectionit	Υ .	Oct 2001
Inventor's Signature	Track School	Date	
Full Name of # 3 joint inventor:	Kenneth Graham Paterson		Citizenship: GB
Residence:	12 Cotham Side Cotham, Bristol	BS6 5TP (Great Britain
Post Office Address:	Same as residence		
Inventor's Signature		Date	
Full Name of # 4 joint inventor:			Citizenship: US
Residence:	1123 Milky Way Cupertino CA	95014	
Post Office Address:	Same as residence		
Inventor's Signature		Date	- · · · · · · · · · · · · · · · · · · ·
involved b orginataro		Date	
Full Name of the Calabi Incompany	Vanadh V Cosidh		Citizanakia. IIC
Full Name of # 5 joint inventor:	11776 W Rader Dr Boise, ID 83	2712	Citizenship: US
Residence:	Same as residence	57 13	
Post Office Address:	Same as residence		
Inventor's Signature		Date	
Full Name of # 6 joint inventor	•		Citizenship:
Residence:			·
Post Office Address:			
rost office Address.			
Inventor's Signature		Date	
Full Name of # 7 joint inventor	<u>:</u>		Citizenship:
Residence:			
Post Office Address:			·····
Inventor's Signature		Date	
Full Name of # 8 joint inventor	: <u> </u>		Citizenship:
Residence:			
Post Office Address:			
Inventor's Signature		Date	
		Dale	

DÉCLARATION AND POWER OF ATTORNEY FOR PATENT APPLICATION

JAN 0 3 2002

ATTORNE DOCKET NO. 30011232-1

As a below named inventor, I hereby declare that:

My residence/post office address and citizenship are as select below next to my name;

I believe I am the original, first and sole inventor (if only one name is listed below) or an original, first and joint inventor (if plural names are listed below) of the subject matter which is claimed and for which a patent is sought on the invention entitled:

Data Storage Method For Use In A Magnetoresistive Solid-State Storage Device

the specification of which is attached hereto unless the following box is checked:

(X) was filed on <u>Jul 25, 2001</u> as US Application No. or PCT International Application Number <u>09/915195</u> and was amended on _____ (if applicable).

I hereby state that I have reviewed and understood the contents of the above-identified specification, including the claims, as amended by any amendment(s) referred to above. I acknowledge the duty to disclose all information which is material to patentability as defined in 37 CFR 1.56.

Foreign Application(s) and/or Claim of Foreign Priority

I hereby claim foreign priority benefits under Title 35, United States Code Section 119 of any foreign application(s) for patent or inventor(s) certificate listed below and have also identified below any foreign application for patent or inventor(s) certificate having a filing date before that of the application on which priority is claimed:

COUNTRY	APPLICATION NUMBER	DATE FILED	PRIORITY CLAIMED UND	DER 35 U.S.C. 119
			YES:	NO:
			YES:	NO:

Provisional Application

I hereby claim the benefit under Title 35, United States Code Section 119(e) of any United States provisional application(s) listed below:

APPLICATION, NUMBER	FILING DATE

U. S. Priority Claim

I hereby claim the benefit under Title 35, United States Code, Section 120 of any United States application(s) listed below and, insofar as the subject matter of each of the claims of this application is not disclosed in the prior United States application in the manner provided by the first paragraph of Title 35, United States Code Section 112, I acknowledge the duty to disclose material information as defined in Title 37, Code of Federal Regulations, Section 1.56(a) which occurred between the filing date of the prior application and the national or PCT international filing date of this application:

APPLICATION NUMBER	FILING DATE	STATUS (patented/pending/abandoned)

POWER OF ATTORNEY:

As a named inventor, I hereby appoint the following attorney(s) and/or agent(s) to prosecute this application and transact all business in the Patent and Trademark Office connected therewith:

Customer Number 022879

Place Customer Number Bar Code Label here

Send Correspondence to:
HEWLETT-PACKARD COMPANY
Intellectual Property Administration
P.O. Box 272400
Fort Collins, Colorado 80527-2400

Richard P Berg (Reg no 28,145)

Direct Telephone Calls To:

(323) 934 2300

I hereby declare that all statements made herein of my own knowledge are true and that all statements made on information and belief are believed to be true; and further that these statements were made with the knowledge that willful false statements and the like so made are punishable by fine or imprisonment, or both, under Section 1001 of Title 18 of the United States Code and that such willful false statements may jeopardize the validity of the application or any patent issued thereon.

Full Name of Inventor:	James A Davis	Citizenship: GB	
Residence:	2214 Grainmill Court Richmond VA	23233	
Post Office Address:	same		
Inventor's Signature		Date	

DECLARATION AND POWER OF ATTORNEY FOR PATENT APPLICATION (continued)



Full Name of # 2 joint inventor:	Jonathan Jedwab		Citizenship: GB
Residence:	Flat 17 Parklands 27 Tynd	alls Park Road Br	ristol, England B58 IPQ
Post Office Address:	Same as residence		
Inventor's Signature		Doto	
inventor s signature		Date	
Full Name of # 3 joint inventor	: Kenneth Graham Paterson		Citizenship: GB
Residence:	A2-Gotham-Sido-Cotham, I		
Post Office Address:	Same as residence 13 V	MARACOE RD	TEDDINGTON, MIDDLETEX, TWIL BE
femile bal	en laken	<u> </u>	9/2001
Inventor's Signature		Date	
Full Name of # 4 Joint inventor	: Gadiel Seroussi		Citizenship: US
Residence:	1123 Wilky Way Cupertine	CA 95014	
Post Office Address:	Same as residence		
Inventor's Signature		Date	
Full Name of # 5 joint inventor	: Kenneth K Smith		Cittzenshlp: US
Residence:	11776 W Rader Dr Boise,	ID 83713	
Post Office Address:	Same as residence		
inventor's Signature		Date	
•		54.5	
Full Name of # 6 joint inventor	r:		Citizenship:
Residence:			
Post Office Address:			
Inventor's Signature		D-4-	
inventor 3 dignature		Date	
Full Name of # 7 joint inventor	r:		Citizenship:
Residence:			
Post Office Address:			
Inventor's Signature		Date	
Full Name of # 8 joint invento	·		Citizenship:
Residence:	-		
Post Office Address:			
Inventor's Signature		Date	

DECLARATION AND POWER OF ATTORNEY FOR PATENT APPLICATION

PATENT APPLICATION

ATTORNEY DOCKET NO. 30011232-1 JAN 0 3 2002

As a below named inventor, I hereby declare that:

My residence/post office address and citizenship are as statement below next to my name;

I believe I am the original first and sole inventor (if only one name is listed below) or an original first

and joint inventor (if plu a patent is sought on th	ral nam e inven	es are listed below) of tion entitled:	the subject matter v	which is claimed and for which		
Data Storage Method Fo	or USe I	u w magneroresistive	solid-State Storage D	18AICE		
the specification of which	ch is at	tached hereto unless ti	ne following box is c	hecked:		
(X) was filed on Ju	125, 2	001 as US Appl	ication No. or PCT In	ternational Application		
Number <u>09/915</u>	195	and was amende	ed on	(if applicable).		
	amend	ded by any amendmen	t(s) referred to abov	above-identified specification, e. I acknowledge the duty to CFR 1.56.		
Foreign Application(s) and/or (Claim of	Foreign Priority				
	elow and	have also Identified below a	ny foreign application for	any foreign application(s) for patent o patent or inventor(s) certificate having		
COUNTRY		APPLICATION NUMBER	MIEFILE)	PRIORITY CLAIMED UNDER 35:U.S.C. 118		
				ŶĔS:, ĨÑĠ;		
				YES: NO		
Provisional Application				1		
I hereby claim the benefit und below:	der Title	35, United States Code Sec	tion 119(e) of any United	States provisional application(s) lister		
		APPLICATION NUMBER	FILING DATE			
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4						
information as defined in Title application and the national or	37, Cod	e of Federal Regulations, Se ernational filing date of this a	ction 1.56(a) which occur	nowledge the duty to disclose materia red between the filing date of the prio		
APPLICATION NUMBER	1	FILING DATE	STATUS (c	patented/pending/abordoned)		
C	: لاست ممد سند	4 - 1 A - Marin - 1 - 1 - 1 - 1 - 1 - 1 - 1 - 1 - 1 -	Line of the control			
	· ·					
POWER OF ATTORNEY: As a named inventor, I here business in the Patent and Tra	ademark	Office connected therewith:	Place Customer	ecute this application and transact at		
Oustonier t	varrio o r	022013	Number Bar Code Label,here			
Send Correspondence to:			Direct Telepho	ne Calls To:		
HEWLETT-PACKARD COM		1 \'	Richard P Berg	(Reg.no 28,145)		
P.O. Box 272400 Fort Collins, Colorado 80527-2400			(323) 934 2300			
made on information ar with the knowledge the	nd beli hat wil under	ief are believed to be t Iful false statements Section 1001 of Title	true; and further tha and the like so ma 18 of the United Sta	are true and that all statement these statements were madade are punishable by fine of ates Code and that such willfunt issued thereon.		
Full Name of Inventor: Jame	es A D	avis	Citizenship: GE	3		
Residence: 22	14 Gra	nmill Court Richmond	VA 23233	1015		
Post Office Address: San	ne					
Inventor's Signature			Date			

DECLARATION AND POWER OF ATTORNEY FOR PATENT APPLICATION (continued)



Full Name of # 2 joint inventor:	: Jonathan Jedwab		Citizenship: GB
Residence:	Flat 17 Parklands 27 Tyndalls Pa	rk Road B	istol, England B58 IPQ
Post Office Address:	Same as residence		
Inventor's Signature		Date	
Full Name of # 3 joint inventor	Kenneth Graham Paterson	Sam Street Statement of the	Citizenship: GB
Residence:	12 Cotham Side Cotham, Bristo	IBS6 5 IP	Great Entain
Post Office Address:	Same as residence		
Inventor's Signature		Date	
Full Name of # 4 joint inventor	r: Gadiel Seroussi		Citizenship: US
Residence:	1123 Milky Way Cupertino CA	95014	
Post Office Address:	Same as residence		
Madil	Klessin	9	/14/2001
Inventor's Storiature	/	Date /	
Full Name of # 5 joint inventor	r: Kenneth K Smith		Citizenship: US
Residence:	11776 W Rader Dr Boise, ID 8	3713	
Post Office Address:	Same as residence		
Inventor 8 Signature		Date	
Full Name of # 6 joint inventor	r		Citizenship:
Residence:			
Post Office Address:			
Inventor s signature		Date	
-		24,5	
Full Name of # 7 joint invento	er:		Citizenship:
Residence:			
Post Office Address:			
rost Office Address.			
Inventor's Signature		Date	
Full Name of # 8 joint invento	or		Citizenship:
Residence:			and the second s
Post Office Address:			
Inventor's Signature		Date	



DECLARATION AND POWER OF ATTORNEY FOR PATENT APPLICATION

ATTORNEY DOCKET NO. 30011232-1

As a below named inventor, I hereby declare that:

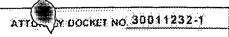
My residence/post office address and citizenship are as stated below next to my name;

I believe I am the original, first and sole inventor (if only one name is listed below) or an original, first and joint inventor (if plural names are listed below) of the subject matter which is claimed and for which a patent is sought on the invention entitled:

a patent is sought on the invention entitled: Data Storage Method For Use In A Magnetoresistive Solid-State Storage Device the specification of which is attached hereto unless the following box is checked: as US Application No. or PCT International Application (X) was filed on Jul 25, 2001 and was amended on (if applicable). Number 09/915195 I hereby state that I have reviewed and understood the contents of the above-identified specification, including the claims, as amended by any amendment(s) referred to above. I acknowledge the duty to disclose all information which is material to patentability as defined in 37 CFR 1.56. Foreign Application(s) and/or Claim of Foreign Priority hereby claim foreign priority benefits under Title 35, United States Code Section 119 of any foreign application(s) for patent or inventor(s) certificate listed below and have also identified below any foreign application for patent or inventor(s) certificate having a filing date before that of the application on which priority is claimed: APPLICATION NUMBER. CATE FRIE FINESETY CLAIMED UNCER DE 125 C. 153 COUNTRY YES: 133 110 YES Provisional Application I hereby claim the benefit under Title 35, United States Code Section 119(e) of any United States provisional application(s) listed below: APPLICATION NUMBER FRING DATE U. S. Priority Claim I hereby claim the benefit under Title 35, United States Code, Section 120 of any United States application(s) listed below and, insofar as the subject matter of each of the claims of this application is not disclosed in the prior United States application in the manner provided by the first paragraph of Title 35, United States Code Section 112, I acknowledge the duty to disclose material information as defined in Title 37, Code of Federal Regulations, Section 1.56(a) which occurred between the filing date of the prior application and the national or PCT international filing date of this application: APPLICATION NUMBER PÁDÉG DATE STATUS (secent editions) systemationed POWER OF ATTORNEY: As a named inventor, I hereby appoint the following attorney(s) and/or agent(s) to prosecute this application and transact all business in the Patent and Trademark Office connected trierewith: Place Customer Customer Number 022879 Number Bar Code Label hare Send Correspondence to: Direct Telephone Calls To: HEWLETT-PACKARD COMPANY Intellectual Property Administration Richard P Berg (Reg no 28, 145) P.O. Box 272400 (323) 934 2300 Frat Callins, Colorado 80527-2400 I hereby declare that all statements made herein of my own knowledge are true and that all statements made on information and belief are believed to be true; and further that these statements were made with the knowledge that willful false statements and the like so made are punishable by fine or imprisonment, or both, under Section 1001 of Title 18 of the United States Code and that such willful false statements may jeopardize the validity of the application or any patent issued thereon. Full Name of Inventor: James A Davis Citizenship: GB Residence: 2214 Grainmill Court Richmond VA 23233 Post Office Address: same

Inventor's Signature

DECLARATION AND POWER OF ATTORNEY FOR PATENT APPLICATION (continued)



Full Name of # 2 joint inventor:	Jonathan Jedwab		Citizenship: GB
Residence:	Flat 17 Parklands 27 Tyndalis P.	ark Road B	ristol, England B58 IPQ
Post Office Address:	Same as residence		
Inventor's Signature	· 	Date	
Full Name of # 3 joint inventor:	Kenneth Graham Paterson		Citizenship: GB
Residence:	12 Cotham Side Cotham, Bristo	BS6 5TP	Great Britain
Post Office Address:	Same as residence		
Inventor's Signature		Date	
Full Name of # 4 joint inventor	: Gadiel Seroussi	.,	Citizenship: US
Residence:	1123 Milky Way Cupertino CA	95014	
Post Office Address:	Same as residence		
Inventor's Signature		Date	
Full Name of # 5 joint inventor	: Kenneth K Smith		Citizenship: US
Residence:	11776 W Rader Dr Boise, ID 8	3713	
Post Office Address:	Same as residence	 	
Inversion's Signature	<u> </u>	20 Date	oct 2001
, , , , , , , , , , , , , , , , , , ,		Jaio	
Full Name of # 6 joint inventor	n		Citizenship:
Residence:			
Post Office Address:			
Inventor's Signature		Date	
Full Name of # 7 joint inventor	r		Citizenship:
Residence:			
Post Office Address:			
Inventor's Signature		Date	
Full Name of # 8 joint invento	и:		Citizenship:
Residence:			
Post Office Arkiress:			
Inventor's Signature		Date	